

Ink Technologies

Aspect

Glossy

Applications

Rigid PVC as from 120 µ. PET with PRIMER PET CC0008. PLA with UVPLA PRIMER VARNISH

Major advantages

Allows lamination, embossing and overprinting of offset inks, VOC free.

Printing

Cylinder machines (eg SPS, SAKURAI)

Colors

Opaque white, metallic, pearly, basic and transparent colors.

UVINK



TECHNICAL CHARACTERISTICS



Screens

Opaque white: mesh types from 120 to 140 threads/cm
Metallic: 61 to 140 threads/cm ; **Pearly:** 50 to 120 threads/cm
Basic and transparent: 120 to 140 threads/cm
 Reports: emulsions and films must be solvent resistant



Squeegees

Polyurethane, hardness HR3 75/95/15 or Medium/ Hard/ Medium



Coverage

With a 120 threads/cm mesh, 1 kg will approximately cover 55 to 65 m²
 With a 140 threads/cm mesh, 1 kg will approximately cover 65 to 75 m²



Dilution

Up to 8% diluent UV 201 can be added into UVICARD
 Up to maximum 5% into **CC204, white colors**



Specific colors

Minimum quantity 5kg each color



Cleaning

Cleaning with the solvent 77BIO, 77201 or 77255 is recommended



Packaging

UVICARD 1 kg
 UVICARD 5 kg



Storage

One year in its original packaging stored in between + 5°C and + 30°C
Opaque white and CC001: two years in its original packaging stored in between +5°C and 30°C



Drying

Transparent colors printed with 120 to 165 threads/cm mesh: UV polymerization from 80 Mj/cm².
Metallic colors printed with 77 to 90 threads/cm mesh: UV polymerization from 80 Mj/cm².
Opaque white printed with 100 to 140 threads/cm mesh: UV polymerization 120 to 140 Mj/cm²



Lamination

Carried out at a minimum of 130°C to 140°C for 5 to 15 min using a coated overlay film.
Example of performance: CC inks printed on PVC 400 µ, laminated with an overlay coating of 60 µ in a machine of the Oasys OLA6H type and tested with a dynamometer Lloyd LS1 (equipped with the TG113 accessory allowing some peeling tests at 90°), offer an average peeling resistance of 10 N/cm.



Handling

After extraction of the ink, open pots need to be carefully and promptly closed. Artificial or natural light can cause the start of polymerization and can lead to the formation of a thin skin at the surface. For this reason, it is advisable to work in a low lighting or safelight environment.



Hygiene and safety

Although the products selected for the formulation are not dangerous as such, contact can cause allergic reactions in some particularly sensitive individuals. Ink soils on the skin should be cleaned as soon as possible with soapy water. In any case, refer directly to the safety sheets.